

GreenAPG 0810H70DK

General characterization

Chemical description

Name: C8-10 alkyl polyglucoside

Surfactant Type: Nonionic

Labeling information

INCI name(s):

Registrations

Ingredient	CAS-No.	EINECS/ELINCS-No.
	68515-73-1	

Benefits

- ♦ Mild
- ♦ Rich and stable foam
- ♦ Readily biodegradable
- ♦ Superior detergency and wetting property
- ♦ Good compatibility with other types of surfactants

Product properties

Appearance

dark brown and viscous liquid

Applications

GreenAPG 0810H70DK is a nonionic surfactant that provides superior performance by combining the formulation ease and compatibility of typical nonionics with solubility and foam characteristics of anionic. GreenAPG 0810H70DK provides excellent hard surface detergency and processing benefits in a variety of cleaning products. It exhibits very good wetting, dispersing, and surface tension reduction properties for increased soil removal and emulsification.

Unlike typical nonionics, GreenAPG 0810H70DK is extremely soluble in concentrated alkaline/electrolyte solutions and will effectively hydrotrope other less soluble ingredients. In addition to these unique performance characteristics, GreenAPG 0810H70DK is made from renewable raw materials – glucose derived from corn, and fatty alcohols from coconut and palm kernel oils. It may also be used as a coupling agent in high caustic or high electrolyte

solutions. Due to its natural chemistry, GreenAPG 0810H70DK is very mild, low in toxicity, and readily biodegradable.

GreenAPG 0810H70DK is ideally suited for use in a variety of I&I liquid cleaning systems, especially hard surface applications. Excellent caustic stability, builder compatibility, detergency and hydrotrope properties combine to offer the formulator greater flexibility and better cost performance.

Characteristic values

The specifications herein state the "Quality Control Data" which is certificated for each batch and "Additional product descriptive data" which is proven statistically but not determined regularly.

Quality control data

ITEM	Spec Limit	Test Method
Solid content (%)	68.0-72.0	GB/T 19464(5.3)
pH value (20% in 15%IPA aq.)	7.0-9.0	GB/T 19464(5.4)
Viscosity (mPa·s, 25°C)	3000-6000	GB/T 15357
Free fatty alcohol (%)	≤1.0	GB/T 19464(5.6/A)
Color, Gardner	>5.0	GB/T 3143

Additional product descriptive data

ITEM	Spec Limit	Test Method
Density (g/cm ³ , 25°C)	1.15-1.17	GB/T 7379
DP value	1.5-1.7	GB/T 19464
Sulfate ash content (%)	≤3.0	GB/T 19464(5.5)

Storage and transportation

GreenAPG 0810H70DK can be stored frost-free and below 45°C for two years.